



## **DELAWARE LEVEL 1 INTERCONNECTION APPLICATION/AGREEMENT**

**With Terms and Conditions for Interconnection**  
**(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)**

The Green Power Connection™ Team  
Delmarva Power  
A PHI Company  
(866) 634-5571 - Phone  
[GPC-north@pepcoholdings.com](mailto:GPC-north@pepcoholdings.com)

(Send applications via Email or Mail to Delmarva Power, GPC Team)

Mailing Address: 5 Collins Drive, Mail Stop 84CP22, Carneys Point, NJ 08069



## **PART 1**

### **DELAWARE LEVEL 1 INTERCONNECTION APPLICATION & AGREEMENT**

**With Terms and Conditions for Interconnection**  
**(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)**  
**(Application & Conditional Agreement – to be completed prior to installation)**

#### **INTERCONNECTION CUSTOMER CONTACT INFORMATION**

Customer Name: William A Berned

Mailing Address: 19 Lighthouse Drive

City: Rehoboth Beach State: DE Zip Code: 19971

Contact Person/Authorized Agent (If other than above): \_\_\_\_\_

Mailing Address (If other than above): \_\_\_\_\_

Telephone (Daytime): 301-943-5703 (Evening): \_\_\_\_\_

Fax Number: \_\_\_\_\_ E-Mail Address (Required): billsgym@aol.com

**Alternate Project Contact Information:** (if different from Customer-Generator above) \_\_\_\_\_

Alternate Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone (Daytime): \_\_\_\_\_ (Evening): \_\_\_\_\_

Fax Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

If an email is provided for your alternate contact, that contact will receive all email communications.

#### **FACILITY INFORMATION**

Facility Address: 19 Lighthouse DR # LT18

City: Rehoboth Beach State: DE Zip Code: 19971

DPL Account #: 5501 1707 407 Meter #: 1ND342556655

Current Annual Energy Consumption (optional): 10000 kWh

Check if this Facility (building) is, or is going to be, NEW CONSTRUCTION: ☐

Estimated Commissioning Date: 1/15/18

Energy Source: Solar PV ☒ Prime Mover: Photovoltaics ☒

Type of Application: Initial ☒ Addition/Upgrade ☐ <sup>1</sup>

Initial Rating: DC Generator Total<sup>2</sup> Nameplate Rating: 8.4 (kW),  
AC Inverter Total<sup>3</sup> Rating 7600 (kW),  
AC System Design Total Capacity<sup>4</sup>: 7.6 (kW) 7600 (kVA)

Added Rating (if upgrade): DC Generator Total Nameplate Rating: \_\_\_\_\_ (kW),  
AC Inverter Total Rating \_\_\_\_\_ (kW),  
AC System Design Total Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)

Total Rating (if upgrade): DC Generator Total Nameplate Rating: \_\_\_\_\_ (kW),  
AC Inverter Total Rating \_\_\_\_\_ (kW),  
AC System Design Total Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)

Generator (or PV Panel) Manufacturer, Model #<sup>5</sup>: SolarWorld 300w MONO

A copy of Generator nameplate and Manufacturer's Specification Sheet may also be submitted

Number of Generators (or PV Panels): 28

Type of Tracking if PV: Fixed ☒ Single Axis ☐ Double Axis ☐

Array Azimuth if PV: 221 ° Array Tilt if PV: 21 °

Shading Angles if PV at E, 120°, 150°, S, 210°, 240°, W: \_\_\_\_\_ ° (Separate with comas)

Inverter Manufacturer<sup>6</sup>: Fronius Model Number(s) of Inverter<sup>7</sup>: PRIMO 7.6

Number of Inverters<sup>8</sup>: 1 Inverter Type: Forced Commutated ☐ Line Commutated ☒

Ampere Rating: 31.66 Amps<sub>AC</sub>, Number of Phases: ☒ 1 ☐ 3

Nominal Voltage Rating: 240 V<sub>AC</sub>, Nominal DC Voltage: 500 V<sub>DC</sub>,

Power Factor: 100 %, Frequency: 60 Hz, Efficiency: 96 (%)

DPL Taggable, Lockable, Accessible Disconnect<sup>9</sup>: ☐ Yes ☒ No,

If Yes, Location: \_\_\_\_\_

One-line Diagram Attached (Required): ☒ Yes ☐ No,

Site Plan Attached (Required): ☒ Yes ☐ No

Do you plan to export power?<sup>10</sup> ☒ Yes ☐ No, If Yes, Estimated Maximum: 6 kW<sub>AC</sub>

Estimated Gross Annual Energy Production: 10568 kWh

Is the inverter IEEE/UL1741 lab certified? Yes ☒ No ☐

(If yes, attach manufacturer's cut sheet showing listing and label information from the appropriate listing authority, e.g. UL 1741 listing. If no, facility is not eligible for Level 1 Application.)

<sup>1</sup> Initial if first time generator request. Addition/Upgrade if this is an add-on to a previously approved system.

<sup>2</sup> Sum of all generators or PV Panels

<sup>3</sup> Sum of all inverters

<sup>4</sup> This will be your system design capacity based upon your unique system variables.

<sup>5</sup> If more than one type, please list all manufactures and model numbers.

<sup>6</sup> If more than one manufacture, please list all.

<sup>7</sup> If more than one model number, please list all.

<sup>8</sup> Attach additional sheets as necessary in the event of multiple inverters of various types/sizes

<sup>9</sup> This is strongly recommended by the utility. Best practice is to have an externally accessible, lockable, disconnect with visible open/close connection and to have appropriate signage on the disconnect, such as 'Solar PV AC Disconnect' (preferably red) and on the meter housing 'Caution, Solar Electric System' (preferably yellow). If the disconnect is not in the immediate vicinity of the meter, please include the disconnect location on the meter signage. This enables the utility and first responders to more quickly deal with an emergency situation.

<sup>10</sup> Yes, if your expected maximum output of the inverter (kW AC) is greater than the lowest load you anticipate at your facility during maximum PV output (kW). The difference would be the amount you may export.

**EQUIPMENT INSTALLATION CONTRACTOR**Owner (Customer) Installed: ☐ Yes ☐ No

Contractor Name: Alutech United Inc  
Mailing Address: 117 Dixon St  
City: Selbyville State: DE Zip Code: 19975  
Telephone (Daytime): 800-233-1144 (Evening): 302-841-9059  
Fax Number: 302-436-5100 E-Mail Address (Required): Haleigh@greenstreetsolar.com

**ELECTRICAL CONTRACTOR**

Electrical Contractor Name: Alutech United Inc  
Mailing Address: 117 Dixon St  
City: Selbyville State: DE Zip Code: 19975  
Telephone (Daytime): 800-233-1144 (Evening): 302-841-9059  
Fax Number: 302-436-5100 E-Mail Address: Russell@greenstreetsolar.com  
License number: T1-0005686 Active License? Yes ☒ No ☐  
Is small generator facility eligible for Net Metering? Yes ☒ No ☐

**INSURANCE DISCLOSURE**

The attached terms and conditions contain provisions related to liability and indemnification, and should be carefully considered by the interconnection customer. The interconnection customer is not required to obtain general liability insurance coverage as a precondition for interconnection approval; however, the interconnection customer is advised to consider obtaining appropriate insurance coverage to cover the interconnection customer's potential liability under this agreement.

**CUSTOMER SIGNATURE**

I hereby certify that: 1) I have read and understand the terms and conditions which are attached hereto by reference and are a part of this Agreement; 2) I hereby agree to comply with the attached terms and conditions; and 3) to the best of my knowledge, all of the information provided in this application request form is complete and true. I consent to permit the PSC and interconnecting utility to exchange information regarding the generating system to which this application applies.

Interconnection Customer Signature:  Date: 11/22/2017

Printed Name: William Berned Title: Homeowner

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A PHI Company

## PART 2

### DELAWARE INTERCONNECTION APPLICATION & AGREEMENT

With Terms and Conditions for Interconnection  
(Lab Certified Inverter-Based Small Generator Facilities Less than or Equal to 10 kW)  
(Final Agreement – must be completed after installation and prior to interconnection)

### Certificate of Completion<sup>11</sup>

#### INTERCONNECTION CUSTOMER CONTACT INFORMATION

Customer Name: William Berned  
Mailing Address: 19 Lighthouse Dr  
City: Rehoboth Beach State: DE Zip Code: 19971  
Telephone (Daytime): 301-943-5703 (Evening): \_\_\_\_\_  
Fax Number: \_\_\_\_\_ E-Mail Address: Billsgym@aol.com

#### FACILITY INFORMATION

Facility Address: 19 Lighthouse Drive # LT 18  
City: Rehoboth Beach State: DE Zip Code: 19971  
DPL Account #: 5501 1707 407 Meter #: 1ND342556655  
Energy Source: Solar PV ☒ Prime Mover: Photovoltaics ☒  
Inverter Type: Forced Commutated ☐ Line Commutated ☒  
Number of Inverters: 1  
Inverter Manufacturer: Fronius Model Number(s) of Inverter: PRIMO 7.6

Rating DC Generator Total<sup>12</sup> Nameplate Rating: 8.4 (kW),  
AC Inverter Total<sup>13</sup> Rating 7.6 (kW),  
AC System Design Total Capacity<sup>14</sup>: 7.6 (kW) 7600 (kVA)

Generator (or PV Panel) Manufacturer, Model #<sup>15</sup>: SolarWorld 300w MONO

<sup>11</sup> Information entered here on Certificate of Completion (Part 2) must match part 1

<sup>12</sup> Sum of all generators or PV Panels

<sup>13</sup> Sum of all inverters

<sup>14</sup> This will be your system design capacity based upon your unique system variables.

<sup>15</sup> If more than one type, please list all manufactures and model numbers.

**EQUIPMENT INSTALLATION CONTRACTOR**Owner (Customer) Installed: ☐ Yes ☒ NoContractor Name: Alutech United IncMailing Address: 117 Dixon StCity: SelbyvilleState: DEZip Code: 19975Telephone (Daytime): 800-233-1144(Evening): 302-841-9059Fax Number: 302-436-5100E-Mail Address: Haleigh@greenstreetsolar.com**FINAL ELECTRIC INSPECTION AND INTERCONNECTION CUSTOMER SIGNATURE**

The Small Generator Facility is complete and has been approved by the local electric inspector having jurisdiction. A signed copy of the electric inspector's form indicating final approval is attached. The Interconnection Customer acknowledges that it shall not operate the Small Generator Facility until receipt of the final acceptance and approval by the EDC as provided below.

Signed: 

Date

2/16/2018

(Signature of interconnection customer)

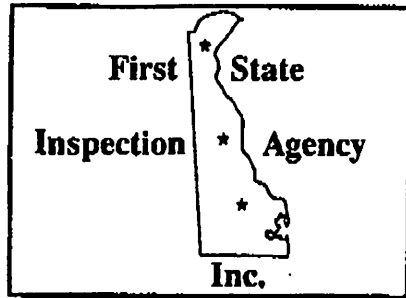
Printed Name: William BernedCheck if copy of signed electric inspection form is attached ☒**ACCEPTANCE AND FINAL APPROVAL FOR INTERCONNECTION (for EDC use only)**

The interconnection agreement is approved and the Small Generator Facility is approved for interconnected operation upon the signing and return of this Certificate of Completion by EDC:

Electric Distribution Company waives Witness Test? (Initial) Yes (LH) No ( )

If not waived, date of successful Witness Test: \_\_\_\_\_ Passed: (Initial) ( )

EDC Signature: Date: 03/08/2018Printed Name: Lakeisha HarrisTitle: Acct Rep



**First State Inspection Agency, Inc.**  
**1001 Mattlind Way**  
**Milford, DE 19963**

**1-800-468-7338**  
**302-422-3859**

Alutech United, Inc.  
James Rodrigue  
PO Box 329  
Selbyville, DE 19975

## CERTIFICATE

Final Inspection Date: 2/15/18  
Application #: 044146  
Owner: Bill Bermed  
Occupancy: 8.4 KW Solar Array  
Location: 19 Lighthouse Dr.  
Rehoboth Beach, Sussex Co., DE

This certifies that the installation of electrical equipment listed on referenced application has been approved as meeting the requirements of the National Electric Code, utility municipalities and Agency rules. Any modification, addition or alteration of the electrical system, after the date of final inspection, will require a new application for inspections and certifications.

  
**Chief Electrical Inspector**

F.S. CERT